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*(University of Choice)*

**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY  
(MMUST)**

**(MAIN CAMPUSES)**

**UNIVERSITY EXAMINATIONS  
2021/2022 ACADEMIC YEAR**

**SCHOOL OF PUBLIC HEALTH, BIOMEDICAL SCIENCES  
AND TECHNOLOGY (SPHBS&T)**

**FIRST YEAR SECOND END OF SEMESTER EXAMINATIONS**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN  
COMMUNITY HEALTH AND DEVELOPMENT**

**COURSE CODE: HCD 122**

**COURSE TITLE: ECOLOGY ENVIRONMENT AND HEALTH**

**MAIN EXAMINATION**

**DATE: 20/04/2022**

**TIME: 12-2 PM**

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**INSTRUCTIONS:**

**ANSWER ALL QUESTIONS IN SECTION A, AND ANY TWO IN SECTION B**

**TIME: 2 Hours**

MMUST observes ZERO tolerance to examination  
cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

**Section A: Answer ALL questions (40 marks)**

**10 short answer questions each 4 marks.**

1. Explain the link between housing and human health (4 marks)
2. Cite any 4 measures to maintain clean water supply in the community (4 marks)
3. State 4 sources of solid waste in the environment (4 marks)
4. Name 4 ways through which humans are exposed to soil pollution (4 marks)
5. State and explain the 2 levels of measures taken to maintain high standards of food hygiene (4 marks)
6. Differentiate between on-site and off-site sanitation facilities (4 marks)
7. State any 4 occupational health and safety principles at the workplace (4 marks)
8. State 4 challenges environmental health officers face in performing their roles (4 marks)
9. Differentiate between traditional and modern hazards (4 marks)
10. State 4 software interventions to improve water sanitation and hygiene (WASH) in the community (4 marks)

**Section B: Answer any 2 questions (30 marks)**

**Long Essay questions each question is 15 marks**

1. Describe 5 human activities that affect health and environment (15 marks)
2. Describe the categories of environmental hazards that are harmful to human health (15 marks)
3. Describe the health impacts of climate change (15 marks)